

GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

Run on: December 6, 2002, 22:41:46 ; Search time 2691.5 Seconds
(without alignments)
16489.608 Million cell updates/sec

Title: US-10-025-514-15

Perfect score: 1525

Sequence: 1 tctagaccatggagaccct.....ccagtcaggccctagtcgac 1525

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2054640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 4109280

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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GenEmbl:
1: gb_da:*
2: gb_htg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
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32: em_htg_other:*
33: em_htg_mus:*
34: em_htg_pln:*
35: em_htg_rnd:*
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39: em_htgo_hum:*
40: em_htgo_mus:*
41: em_htgo_other:*

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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	629.4	41.3	1308	6	AR111412 Sequence
2	628.4	41.2	1185	6	AR111411 Sequence
3	437	28.7	1345	9	HUMALATB
4	433.8	28.4	1434	6	E00631
5	432.2	28.3	1312	6	I02706
6	430.6	28.2	1584	9	BC011991
7	429	28.1	1185	6	AR111410
8	429	28.1	1352	6	AX335339
9	429	28.1	1352	6	HUMALATM
10	429	28.1	1371	6	AX335338
11	429	28.1	1371	9	HSATPRL
12	429	28.1	1399	9	AK026174
13	429	28.1	1434	6	E00195
14	429	28.1	1434	6	I04196
15	429	28.1	1434	6	I04272
16	429	28.1	1434	6	I07849
17	429	28.1	1435	6	AX019486
18	429	28.1	2478	17	AF130068
19	427.4	28.0	1337	9	HUMALATZ
20	427.4	28.0	1378	6	I02398
21	427.4	28.0	1431	9	BC015642
22	425.8	27.9	1299	6	I07949
23	425.8	27.9	1308	9	BABALATA
24	425.8	27.9	1317	6	I00556
25	425.8	27.9	1378	6	I03509
26	425.8	27.9	1378	6	I07947
27	425.8	27.9	1434	6	I01352
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29	425.4	27.9	1378	6	I01227
30	424.2	27.8	1191	9	AB004044
31	417	27.3	1390	6	AX202089
32	407	26.7	1356	6	I36163
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34	403	26.4	2013	6	AX472008
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36	399.8	26.2	1356	6	I36164
37	390.2	25.6	1351	10	AB000550
38	387	25.4	1372	10	AB000552
39	385.4	25.3	1351	4	SSANTIELA
40	378	24.8	1306	10	RATATRAI
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44	372.6	24.4	1242	6	E13268
45	370.6	24.3	1380	4	BTAIAT

ALIGNMENTS

RESULT 1
AR111412
LOCUS
DEFINITION
ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM
REFERENCE
AUTHORS
TITLE
JOURNAL
FEATURES

AR111412
Sequence 6 from patent US 6127145.
AR111412
GI:12828260
Unknown.
Unknown.
Unclassified.
1 (bases 1 to 1308)
Sutcliffe,T.D. and Rodriguez,R.L.
Production of .alpha. .sub.1 -antitrypsin in plants
Patent: US 6127145-A 6 03-OCT-2000;
Location/Qualifiers

1308 bp
DNA
linear
PAT 14-FEB-2001

Mon Dec 9 12:50:31 2002

source		1. .1308		/organism="unknown"		298 a		442 c		363 g		205 t		Query Match		41.3%;		Score 629.4;		DB 6;		Length 1308;		Best Local Similarity		70.8%;		Pred. No. 4.8e-124;		Matches 837;		Conservative		0;		Mismatches 346;		Indels		0;		Gaps		0;																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
BASE COUNT		298 a		442 c		363 g		205 t																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

RESULT 2	AR111411	1185 bp	DNA	linear	PAT 14-FEB-2001
LOCUS	Sequence 3 from patent US 6127145.				
DEFINITION	AR111411				
ACCESSION	AR111411				
VERSION	AR111411.1 GI:12828259				
KEYWORDS	Unknown.				
SOURCE	Unknown.				
ORGANISM	Unclassified.				
REFERENCE	1 (bases 1 to 1185)				
AUTHORS	Sutliff, T.D. and Rodriguez, R.L.				
TITLE	Production of alpha. sub.1 -antitrypsin in plants				
JOURNAL	Patent: US 6127145-A 3 OCT-2000;				
FEATURES	Location/Qualifiers				
source	1. .1185				
BASE COUNT	276 a	396 c	334 g	179 t	
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Query Match	41.2%; Score 628.4; DB 6; Length 1185;				
Best Local Similarity	70.7%; Pred. No. 7.9e-124;				
Matches 836; Conservative	0; Mismatches 346; Indels 0; Gaps 0;				
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Db	1	GAGACCGCGAGGCGCGCGCGCGAGAGCGCACACCGCCACGACGACGACGAC	60		
QY	72	CCGACTTTTAAATAATTTACTCCAAATTTAGCGAATTTGCTTTTCTTTGTATAGCAA	131		
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QY	132	TTAGCTCATCAAAAGTAAATTTACTAACAATTTTCTAGTCTGTTTCTATTGCCACTGCT	191		
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QY	192	TTGCCATGTTTGTAGTACTAAAGCGGATACCATCAGCAGATTTTGAAGGTTTA	251		
Db	181	TTGCCATGTTTGTCTCTCTGGGTACCAAGCGGACACCCACGACGATCTCCAGAGGCTC	240		
QY	252	AACCTTTAATTTGACGAAATCCCAAGAGCCCAATTCACGAGGTTTCAAGAGTTGTTG	311		
Db	241	AACCTTTAATTTGACGAAATCCCGAGGCGGAGATCCACGAGGCTTCCAGGAGCTGCTC	300		
QY	312	AGAATTTGAATCAACCTGATTTCAATTTCAATTTACTACTGTTAACTGTTTATTTTGTG	371		
Db	301	AGGAGCTTCAACCGCGGACTCCCACTCCAGCTCCAGCTCAGCTCAGCTCAGCTCAGCT	360		
QY	372	TCTGAGGTTTAAATTTGTTGACAAATTTCTAGAAGACGTCAGAACTATATCATAGT	431		
Db	361	TCCGAGGCGCTCAGCTCGTCAATTTCTCTGAGGACGCTGAAGAGCTCTACCACTCC	420		
QY	432	GAGGCTTTTACCGTTTAAATTTTGTGATCTACTGAGGAGCTTAAAGCAATTAATGATTAT	491		
Db	421	GAGGCGTTTCAACGCTCAACTTCTGGGAGACCCGAGGAGCCCAAGAGCAGATCAACGACTAC	480		

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Db 659 GTTTTGGCTCTGGTGAATTTACATCTCTTTTAAAGGCAATGGGAGAGACCCCTTTGAAGTC 718
Qy 612 AAGATACACTGAAGAGAGAGATTTTCATGTGTATCAAGTTACTACTGTCAAAAGTTCCCAATG 671
Db 719 AAGGACACCGAGGAAGAGACTTCCACGTGGACAGGTGACACCGTGAAGTCCCTATG 778
Qy 672 ATCAAAAGACTGGGTATGTTCAATATCAATTCGAATTCGCAAAATTAAGTTCTTGGGCTTAA 731
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Qy 792 CAACATTTAGAGATGAGTTGACTCATGACATTTATTAATTTTATAGAGACGAGGAT 851
Db 899 CAGCACCTGGAAATGAACCTACCCACGATATCATCACCAGTTCTTGGAAATGAAGAC 958
Qy 852 CCGCTAGCGGCTCTCCACCTGCCAAGTTAAGTATACCGGTACTTACGACTTAAAA 911
Db 959 AGAAGCTCGCCAGCTTACATTTACCCAACTGTCCATTACTGGAACCTATGATCTGAAG 1018
Qy 912 TCTGTTTAGGCGAGTTAGTATTAACCAAGTTTCTTACCGTCCGATTTGAGTGGT 971
Db 1019 ACGCTCGGTGCTCAACTGGGATCACTAAGCTTTCAGCAATGGGGCTGACCTCTCCGGG 1078
Qy 972 GTTACTGAAGAGCTCCATTAATTAAGTAAAGCTGTTTCAAAAGCGCTTTAACTATT 1031
Db 1079 GTACAGAGAGGACCCCTCAAGCTCTCCAAAGCCGTGCATGAAGCTGTGCTGACCATC 1138
Qy 1032 GATGAAAAGGTACCGAGCGCCGGCGCTATGTTCTGGAAGCTATTTCAATGAGCAAT 1091
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Qy 1092 CCACAGAGTAAATTTAATAAACCATTCGTTTCTGATGATGACGAGACACTTAA 1151
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Qy 1152 AGCCCATTTTATGGTGAAGTTGTCAACCCCACTCAGAA 1192
Db 1259 TCTCCCTGTTCTATGGGAAAGTGGTGAATCCCAACCAAAA 1299

RESULT 5

LOCUS I02706 1312 bp ss-DNA linear PAT 21-MAY-1993
DEFINITION Sequence 1 from Patent US 4599311.
ACCESSION I02706
VERSION I02706.1 GI:268359
KEYWORDS :
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 1312)
AUTHORS Kawasaki,G.H.
TITLE Glycolytic promoters for regulated protein expression: protease inhibitor.
JOURNAL Patent: US 4599311-A 1 08-JUL-1986;
1347 - 16th Ave. East; Seattle, WA
FEATURES
source 1. .1312
BASE COUNT 339 a 368 c 324 g 281 t
ORIGIN

Query Match 28.3%; Score 432.2; DB 6;
Best Local Similarity 60.4%; Pred. No. 5.5e-82;
Matches 713; Conservative 0; Mismatches 466; Indels 0; Gaps 0;

Qy 12 GAAGACCCCTCAAGGGACGCGCTCAAAAAACCGACACCATCATCAGCACCAAGACCAT 71
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Qy 72 CCGACTTTTAAATAAATTTACTCCCAATTTAGCCGAATTTGCTTTTCTTTGTATAGACAA 131
Db 160 CCAACCTTCAACAAGATCACCCCAACTTGGCTGAGTTGCGCTTTCAGCCCTATACCGCAG 219
Qy 132 TTAGCTCATCAAGTAATTTACTAAACATTTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCT 191
Db 220 CTGGCACACCATGTCACACGACCAATATCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 279
Qy 192 TTCGCCATGTTGAGTTTAGGTACTAAAGCCGATACCCATGACGAGATTTTATAGAGTTTA 251
Db 280 TTTGCAATGCTCTCCCTGGGACCAAGGCTGACACTCAGCATGAATTCCTGGAGGCGCTG 339
Qy 252 AACTTTAATTTGACCGAAATCCAGAGGCCCAATTCACGAGGCTTTTCAAGAGTTGTTG 311
Db 340 AATTTCAACCTCACGGAGATTTCCCGAGGCTCGATCCATGAAGCTTTCAGGAACTCCCTC 399
Qy 312 AGAAGCTTTGAATCAACCTGATTTCTCAATTTGCAATTTAACTACTGTTAAAGCTTTATTTTG 371
Db 400 CGTACCTTCAACAGCAGACGACGCTCCAGCTGACACCGGCAATGGCTGTTCCTC 459
Qy 372 TCTGAGGTTTAAATTTGGTTGACAAATTTCTAGAACGCTCAAGAACTATATCATAGT 431
Db 460 AGCGAGGCGCTGAAGCTAGTGGATTAAGTTTGGAGGATGTTAAAGTGTGTACCACTCA 519
Qy 432 GAGGCTTTTACCGTTAATTTTGGTGAATGATGAGGAAGCTAAAGCAATTAATGATTTAT 491
Db 520 GAAGCTTCACTGTCACTTCGGGACACCGAGAGGCCAAGAAACAGATCAACGATTAC 579
Qy 492 GTTGAGAAAGCCACCCAGGTTAAGTCTGTGACCTAGTTAAAGAAATTAGATCTGTATACC 551
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Qy 552 GTCCTCCGACTAGTTAATATTTTTCAGGGTAAAGTGGGAACGCTCTTCGAGGTT 611
Db 640 GTTTTGTCTGGTGAATTTACATCTTCTTAAAGGCAATTTGGAGAGACCTTTGAAGTC 699
Qy 612 AAAGATCTGAAGAGGAGATTTTCAATTTGATGATCAAGTTACTACTGTCAAAGTTCCTCAATG 671
Db 700 AAGGACACCGAGGAGAGGACTTCCAGCTGACGACGAGTGAAGGTCCTGAGGTCCTATG 759
Qy 672 ATGAAAAGACTGGGTATGTTCAATATTTCAACATTTGCAAAAAATTAAGTTCTTGGGCTCTTA 731
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Qy 732 TTAATGAAGTATTTAGGTAAAGCTACTGCTATTTTTTTTTTACCAGACCAAGGTAAGCTT 791
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Qy 912 TCTGTTTTAGCGCAGTTAGGTATTTACCAAGTTTCTTCTTAAAGGTCCTTAAAGGTTTGAAGT 971
Db 1000 AGCGTCTAGTCACTGGGCACTACTAAGGCTTTCAGCAATTTGGGCTGACCTCTCCCGG 1059
Qy 972 GTTACTGAAGAGCTCCATTAATTAAGTAAAGCTGTTTCAAAAAAGCGCTCTTAACTATT 1031
Db 1060 GTCACAGAGGAGCACCCCTTGAAGCTTCTCCAAAGGCGTGCATTAAGGCTGTGCTGACCATC 1119
Qy 1032 GATGAAAAGGTTACCGAGGCGCGCGCTATGTTCTCGAAAGCTTATTTCCCAATGAGCAAT 1091
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QY	1092	CCACCAGAGTTAAATTAATTAACCAATTCGTTTCTGATGATCGAGCAGACACTAAA	1151
Db	1180	CGCCCGGAGGTCAAGTTCAACAAACCCCTTCTCTTAAATGATTGAACAAATACCAAG	1239
QY	1152	AGCCCAATGTTTAAAGGTTGCTCAACCAACTCAGAA	1192
Db	1240	TCTCCCTCTTCATGGGAAAGTGTGAATCCCAACCAAA	1280
RESULT 6			
LOCUS			
DEFINITION			
ACCESSION			
VERSION			
KEYWORDS			
SOURCE			
ORGANISM			
REFERENCE			
AUTHORS			
TITLE			
JOURNAL			
REMARK			
COMMENT			
FEATURES			
source			
CDS			

BC011991 1584 bp mRNA linear PRI 02-AUG-2001
Homo sapiens, Similar to serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1, clone MGC:9222 IMAGE:3859644, mRNA, complete cds.
BC011991
BC011991.1 GI:15080498
MGC.
Homo sapiens.
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.
1 (bases 1 to 1584)
Straussberg, R.
Direct Submission
Submitted (30-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
Contact: MGC help desk
Email: cgabbs-remail.nih.gov
Tissue Procurement: DCTD/DTP
cDNA Library Preparation: Life Technologies, Inc.
DNA Sequencing by: The I.M.A.G.E. Consortium (LLNL)
Sequencing Center
Center code: BCM-HGSC
Web site: <http://www.hgsc.bcm.tmc.edu/cdna/>
Contact: villalon@bcm.tmc.edu
Villalon, D.K., Luna, R.A., Hale, S.M., Hulyk, S., Lu, X., Garcia, A.M., Holloway, M., Telford, B., Hodgson, A., Bouck, J., Yu, W., Muzny, D.M., Gibbs, R.A.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAK Plate: 21 Row: d Column: 6
This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 6855600.
Location/Qualifiers
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/clone="MGC:9222 IMAGE:3859644"
/tissue_type="Ovary, adenocarcinoma"
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/note="Vector: pCMV-SPORT6"
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/db_xref="GI:15080499"
/translation="MPSVSVSGTLLLAGICCLVPVSLAEDPOGDAQAOKTDTSHHQDHPFNKLTPLNPAFSLYKQLAHQSNSTNPFSPYSIAFAFAMLSIGKADHDEILEGLNFTPEIPQIHEGFQELLRLNQPSQLQITGNGLIFLSEGLKLVDFLEVPKKLYHSEAFVTFGEAEAKQIINDYVEKGTQKGIIVDLVKELDRDTFVALVNYIIFFGKWEKFEVKEVDNEEDFQVTVKVPNMKRLGFMFIQHKLSLWSWLLMKLYLGNATIFFLDECKLOHLENELHTDITTFLENERRSASLHPLKLSITGTDLKSVLQGLGATKVFNSGADLSQTEAPLKLKSAVKHKAULTIDEKGTAEAGAMFLEAIPMSIPPEVAFNKPFVFLMIDQNTKSLPFGKGVNPTQK"

BASE COUNT	410 a	459 c	379 g	336 t
ORIGIN				
Query Match	28.2%; Score 430.6; DB 9; Length 1584;			
Best Local Similarity	60.3%; Pred. No. 1.2e-81;			
Matches 712; Conservative	0; Mismatches 469; Indels 0; Gaps 0;			
QY	12	GAAGACCTTCAAGGCGAGCGCGCTCAAAAACCGACACCAAGTCATCACGACCAAGACCAAT	71	
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QY	72	CCGACTTTTAAATAAATACTCCAAATTTAGCCGAATTTGCTTTTCTTTGTATAGACAA	131	
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QY	132	TTAGCTCATCAAAAGTAAATTTCTACTAACAATTTTTTTTAGTCTGTGTTTCTATTGGCCACTGCT	191	
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Db	485	TTTGCATGCTCTCCCTGGGACCAAGGCTGACACTCACGATGAAATCCTGGAGGGCCTG	544	
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Db	725	GAGCCTTCACTGTCACCTTCGGGACACCCAGAGGCCAAGAAACAGATCAACGATTAC	784	
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Db	785	GTGGAGAAGGGTACTCAAGGGGAAAATTTGCGATTTGGTCAAGGAGCTTGACAGAGACAC	844	
QY	552	GCTCTTCGCATAGTTAACTATATTTTTTCAAGGGTAAAGTGGGAAACGCTCTTTCAGGT	611	
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QY	732	TAAATAGAGTATTTAGGTAACGCTACTGCTATTTTTTTTACCAGACGAAGGTAAGCT	791	
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/organism="Homo sapiens"
/db_xref="taxon:9606"
BASE COUNT      350 a 388 c 340 g 293 t
ORIGIN

Query Match      28.1%; Score 429; DB 6; Length 1371;
Best Local Similarity 60.2%; Pred. No. 2.6e-81;
Matches 711; Conservative 0; Mismatches 470; Indels 0; Gaps 0;

QY 12 GAAGACCTCAAGGCGAGCGCTCAAAAAACCGACACAGTATCATCGAGCAAGACCAT 71
DB 111 GAGGATCCCGAGGAGATGCTGCCAGAGACAGATACATCCACCATGATCAGGATCAC 170
QY 72 CCGACTTTTATAAAATTAATCTCCAAATTAAGCCAAATTTGCTTTTCTTTGTATAGACAA 131
DB 171 CCAACCTTTCAACAAAGATCACCCCAACCTGCTGAGTTCGCTTCAGCCTATACCGCAG 230
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QY 192 TTCCGCTATGTTGAGTTTAAAGCTTAAAGCCGATACCCATGACGAGATTTTAAAGGTTTA 251
DB 291 TTTGCAATGCTCTCCCTGGGACCAAGCTGACACTCAGTAAATCTCTGGAGGCGCTG 350
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DB 351 AATTTCAACCTCACGAGATTTCCGAGGCTCAGATCCATGAAGGCTTCCAGGAACCTCTC 410
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QY 372 TCTGAGGTTTAAATGTTGACAAATTCCTAGAAGAGCTCAAGAACTATATCATAGT 431
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QY 432 GAGGCTTTTACCGTAAATTTTCTGATCTAGGAGTAAAGAGCTTAAAGCAATTAATGATTAT 491
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QY 552 GCTTCGCACTAGTAACTATATTTTCAAGGTTAAGTGGGACGCTCTTTCAGGTT 611
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QY 912 TCTGTTTATAGCCAGTATAGTATTAACAAAGTTTTTCTTAACGGTCCCGATTTGATGTT 971
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Query Match      28.1%; Score 429; DB 6; Length 1371;
Best Local Similarity 60.2%; Pred. No. 2.6e-81;
Matches 711; Conservative 0; Mismatches 470; Indels 0; Gaps 0;

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QY 1032 GATGAAAAGGTTACCGAGCGCCGCGCTATGTTCTCTGGAAGCTATTCCAATGAGCAT 1091
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RESULT 11
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LOCUS      Human mRNA for alpha 1-antitrypsin.      1371 bp      mRNA      linear      PRI 05-MAR-2002
DEFINITION
ACCESSION      X01683
VERSION      X01683.1 GI:28965
KEYWORDS      antitrypsin; signal peptide.
SOURCE      human.
ORGANISM      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE      1 (bases 1 to 274)
AUTHORS      Kurachi,K., Chandra,T., Degen,S.J., White,T.T., Marchioro,T.L.,
Woo,S.L. and Davie,E.W.
TITLE      Cloning and sequence of cDNA coding for alpha 1-antitrypsin
JOURNAL      Proc. Natl. Acad. Sci. U.S.A. 78 (11), 6826-6830 (1981)
MEDLINE      82082539
PubMed      7031661
REFERENCE      2 (bases 1 to 1371)
AUTHORS      Bollen,A., Herzog,A., Cravador,A., Herion,P., Chuchana,P., Vander
Straten,A., Loriau,R., Jacobs,P. and van Elsen,A.
TITLE      Cloning and expression in Escherichia coli of full-length
complementary DNA coding for human alpha 1-antitrypsin
JOURNAL      DNA 2 (4), 255-264 (1983)
MEDLINE      84107980
PubMed      6319097
REFERENCE      3 (bases 1 to 1352)
AUTHORS      Colau,B., Chuchana,P. and Bollen,A.
TITLE      Revised sequence of full-length complementary DNA coding for human
alpha 1-antitrypsin
JOURNAL      DNA 3 (4), 327-330 (1984)
MEDLINE      85026667
PubMed      6333329
REFERENCE      4
AUTHORS      Rosenberg,S., Barr,P.J., Najarian,R.C. and Hallowell,R.A.
TITLE      Synthesis in yeast of a functional oxidation-resistant mutant of
human alpha-antitrypsin
JOURNAL      Nature 312 (5989), 77-80 (1984)
MEDLINE      85036645
PubMed      6387509
COMMENT      Revised sequence in Colan B., Chuchana P., Bollen A.; DNA
3:327-330(1984).
Data kindly reviewed (11-FEB-1986) by A. Bollen.

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Db	1196	CCCCCGAGTGCAAGTTCAACAACCCCTTTGCTCTTAAATGATGAACAAAATACCAAG	1255		
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E00195	E00195	1434 bp	RNA	linear	PAT 29-SEP-1997
LOCUS	cdna encoding human antitrypsin.				
DEFINITION	E00195				
ACCESSION	E00195.1	GI:2168491			
VERSION	JP 1984091886-A/1.				
KEYWORDS	Homo sapiens.				
SOURCE	Homo sapiens				
ORGANISM	Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.				
REFERENCE	1 (bases 1 to 1434)				
AUTHORS	Guren, E.K. and Richiyaado, U.				
TITLE	SUGAR LYSING PROMOTOR : PROTEASE INHIBITOR FOR DEVELOPMENT OF ADJUSTED PROTEIN				
JOURNAL	Patent: JP 1984091886-A 1 26-MAY-1984;				
COMMENT	JIMOSU CORP				
	OS (human)				
	PN JP 1984091886-A/1				
	PD 26-MAY-1984				
	PF 12-AUG-1983 JP 1983147907				
	PR 13-AUG-1982 US 82 408099, 28-APR-1983 US 83 489406 PI				
	GUREN EICHI KAWASAKI, RICHIVAADO UTSUBOBERII				
	PC C12N15/00,A61K35/72,A61K37/64,C07G7/00,C07H21/04,C12N1/16,PC				
	C12N9/99,				
	PC C12P21/00,(C12N1/16,C12R1:865);				
	CC strandedness: Double;				
	CC topology: Linear;				
	CC hypothetical: No;				
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	FT 3'UTR 1304..1434				
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Query Match	28.1%;	Score 429;	DB 6;	Length 1434;	
Best Local Similarity	60.2%;	Pred. No. 2.6e-81;			
Matches 711;	Conservative	0;	Mismatches 470;	Indels	0;
QY	12	GAAGACCCCTCAAGCGACGCGCTCAAAAACCGACACACAGTCATCAGCAGCAAGACAT	71		
Db	116	GAGGATCCCCAGGAGATGCTGCCAGAAGACAGATACATCCACCATGATCAGGATCAC	175		
QY	72	CCGACATTTTAATAAATTAATCTCCAAATTTAGCGAATTTGCTTTTCTTTGATAGACAA	131		
Db	176	CCAACCTTCAACAAGATCACCCCAACCTGGCTGAGTTGCGCTTCAGCCTATACTGCCAG	235		
QY	132	TTAGCTCATCAAGTAATCTTACTAACAATTTTTTTAGTCCCTGTTTCTATTGCCACTGCT	191		
Db	236	CTGGCACACCGTCCACAGACCAATATCTTCTCCCAAGTGGATGCTACAGCC	295		
QY	192	TTCCGCATGTGAGTTAGGTACTAAGCCGATACCCATGACGAGATTTTGAAGAGTTTA	251		
Db	296	TTTGCAATGCTCTCCCTGGGGCAAGGCTGACACTCAGATGAATCTGGAGGCGTG	355		
QY	252	AACCTTAATTTGACCAATCCAGAGCCCAATTTACAGAGGTTTTCAGAGAGTTGTTG	311		
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QY	312	AGAACTTTGAATCAACCTGATTTCTCAATTTGCAATTAACCTACCTGGTAACGGTTATTTTG	371		
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QY	612	AAAGATACTGAAGAGGAGATTTTCATGTTGATCAAGTTACTACTGTCRAAGTTCCAATG	671		
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QY	672	ATGAAAGACTGGGTATGCTCAATATTAACAATTTGCAAAAATTAAGTTCTTGGGTCTTA	731		
Db	776	ATGAAGCGTTTAGGCATGTTTAAACATCCAGACCTGTGAAGCTGTCCAGCTGG			

Db	1136	GAGGAGAAAGGGAGCTGCTGGGGCCATGTTTATAGAGGCCATATACCCCATGCTATC	1195
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Db	1196	CCCCCGAGTGCAAGTTCAACAACCCCTTTGCTCTTAAATGATGAACAAATACCAAG	1255
Qy	1152	AGCCCATTTTATGGTAAAGTTGTCAACCAACCTACGAA	1192
Db	1256	TCTCCCTCTTCATGGGAAAGTGGTGAATCCACCCCAAA	1296
RESULT 13			
E00195	E00195	1434 bp	linear
LOCUS	cdna encoding human antitrypsin.		
DEFINITION	E00195		
ACCESSION	E00195.1	GI:2168491	
VERSION	JP 1984091886-A/1.		
KEYWORDS	Homo sapiens.		
SOURCE	Homo sapiens		
ORGANISM	Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
REFERENCE	1 (bases 1 to 1434)		
AUTHORS	Guren,E.K. and Richiyaado,U.		
TITLE	SUGAR LYSING PROMOTOR : PROTEASE INHIBITOR FOR DEVELOPMENT OF ADJUSTED PROTEIN		
JOURNAL	Patent: JP 1984091886-A 1 26-MAY-1984;		
COMMENT	JIMOSU CORP		
OS	(human)		
PN	JP 1984091886-A/1		
PD	26-MAY-1984		
PF	12-AUG-1983 JP 1983147907		
PR	13-AUG-1982 US 82 408099, 28-APR-1983 US 83 489406 PI		
PC	GUREN EICHI KAWASAKI, RICHIVAADO UTSUBOBERII PC C12N15/00,A61K35/72,A61K37/64,C07G7/00,C07H21/04,C12N1/16,PC C12N9/99,		
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CC	strandedness: Double;		
CC	topology: Linear;		
CC	hypothetical: No;		
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5'UTR	1..46		
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BASE COUNT	369 a 432 c 340 g 293 t		
ORIGIN			
Query Match	28.1%;	Score 429;	DB 6; Length 1434;
Best Local Similarity	60.2%;	Pred. No. 2.6e-81;	
Matches 711; Conservative	0;	Mismatches 470;	Indels 0; Gaps
Qy	12	GAAGACCCCTCAAGGCGACCGCTCAAAAACCGACACAGTCATCAGCAGCAAGACCAT	71
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RESULT 14

104196

LOCUS

1434 bp

DNA

linear

PAT 02-DEC-1994

DEFINITION Sequence 3 from Patent EP 0137633.
ACCESSION I04196
VERSION 104196.1 GI:591838
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 1434)
AUTHORS Parker, M.L. and Kawasaki, G.H.
TITLE Method of expressing alpha-1-antitrypsin in bacteria and its use in therapeutic formulations, and vectors and bacteria for such method and their production
JOURNAL Patent: EP 0137633-A1 3 17-APR-1985;
FEATURES Location/Qualifiers
source 1..1434
BASE COUNT 369 a 432 c 340 g 293 t
ORIGIN
Query Match 28.1%; Score 429; DB 6; Length 1434;
Best Local Similarity 60.2%; Pred. No. 2.6e-81;
Matches 711; Conservative 0; Mismatches 470; Indels 0; Gaps 0;
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I04272
LOCUS I04272 1434 bp DNA linear PAT 02-DEC-1994
DEFINITION Sequence 1 from Patent EP 0139383.
ACCESSION I04272
VERSION I04272.1 GI:591814
KEYWORDS
SOURCE Unknown.
ORGANISM Unknown.
REFERENCE 1 (bases 1 to 1434)
AUTHORS Russell,P.R.
TITLE Method for expressing foreign genes in schizosaccharomyces pombe and the use in therapeutic formulations of the products, DNA constructs and transformant strains of schizosaccharomyces pombe usable in such method and their preparation
JOURNAL Patent: EP 0139383-A1 1 02-MAY-1985;
FEATURES
source location/Qualifiers
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BASE COUNT 369 a 432 c 340 g 293 t
ORIGIN

Query Match 28.1%; Score 429; DB 6; Length 1434;
Best Local Similarity 60.2%; Pred. No. 2.6e-81;
Matches 711; Conservative 0; Mismatches 470; Indels 0; Gaps 0;

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